



# KX11 new vehicle introduction

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## **Model highlights**

Vehicle configuration and parameter information

Maintenance and Service Information

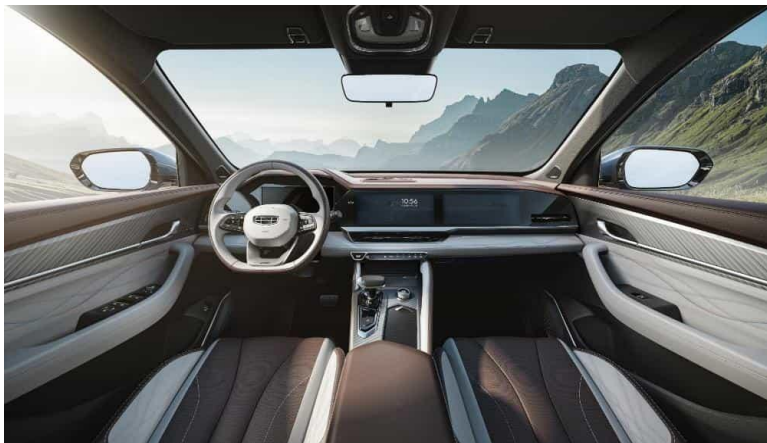
Usage of Functions (Practice)

# Overall Impression





# Overall Impression



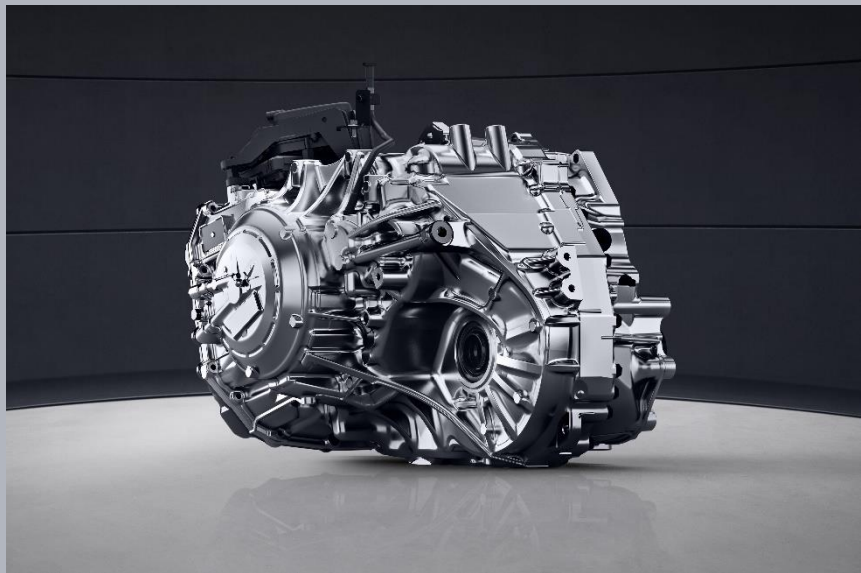
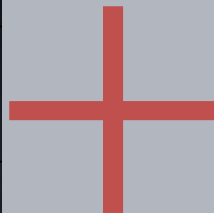
# Model Configuration Code



Luxury	Dignity	Flagship
GL	GD	GF



**2.0TD engine**



**8AT**

Engine power: 175KW/5500rpm

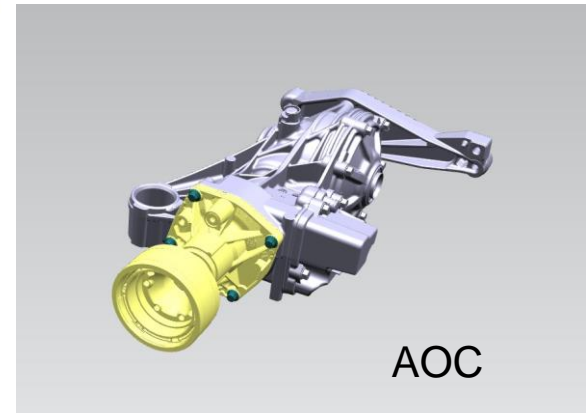
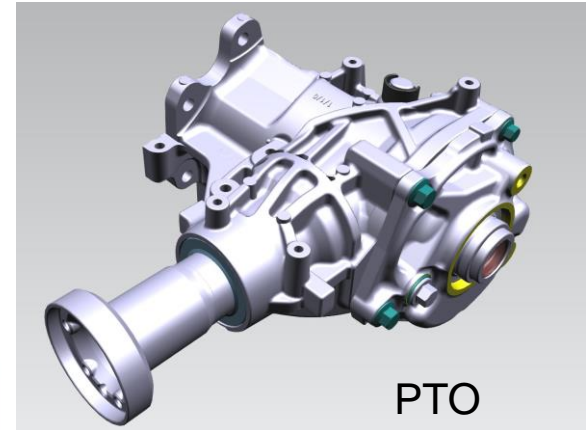
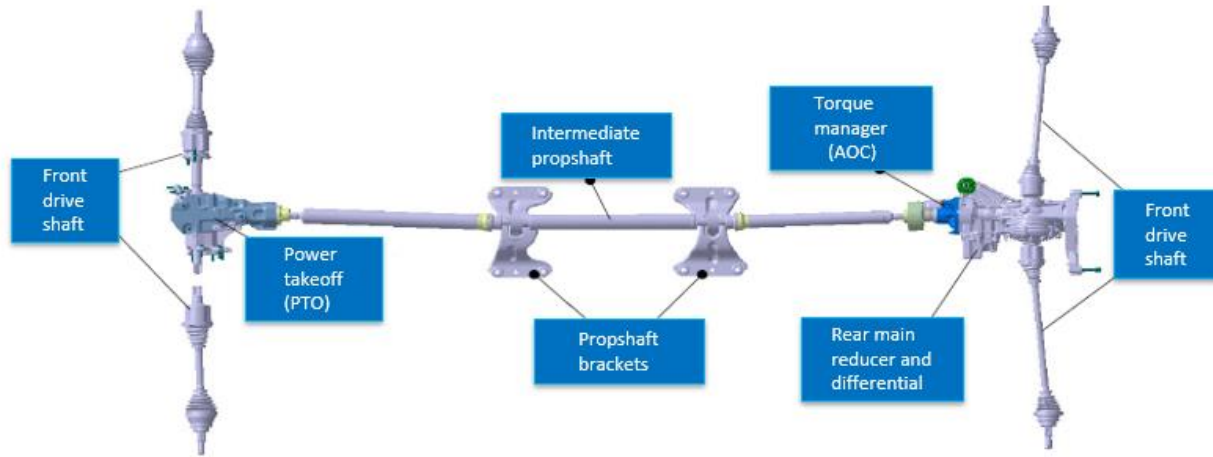
Torque: 350N.m/1800-4500rpm

0-100Km/h acceleration time: 7.7s

# AWD system



KX11 is equipped with BorgWarner VI generation intelligent 4WD system.

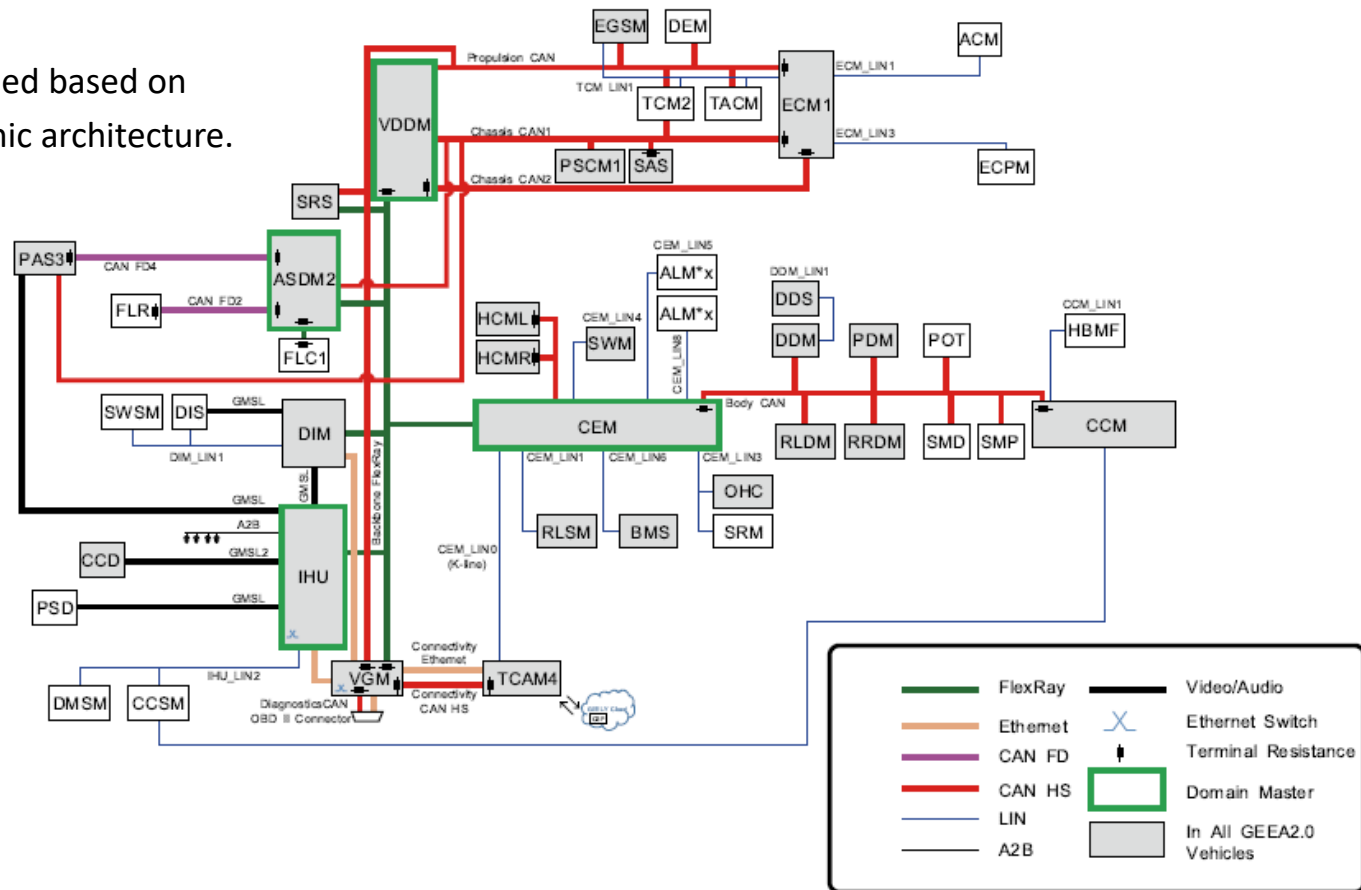




# Network system



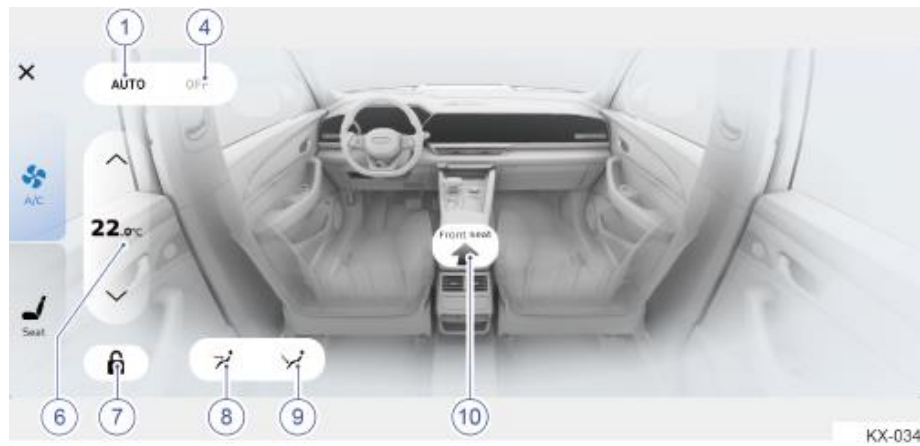
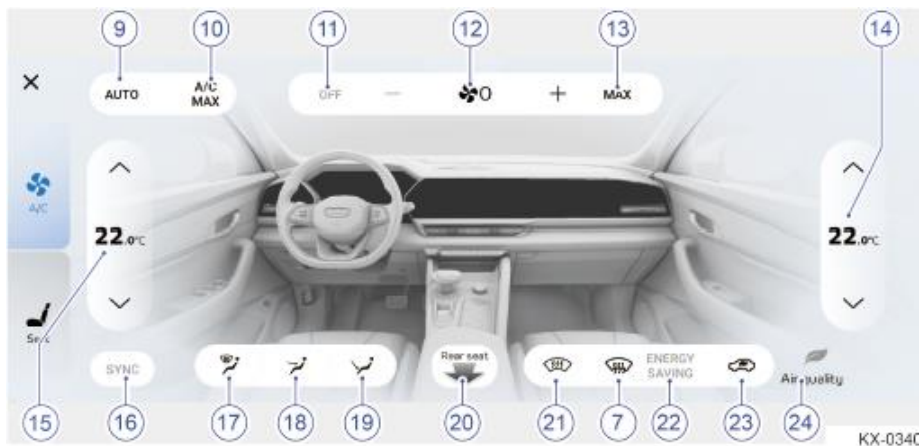
The network of KX11 is developed based on GEEA 2.0 electrical and electronic architecture.

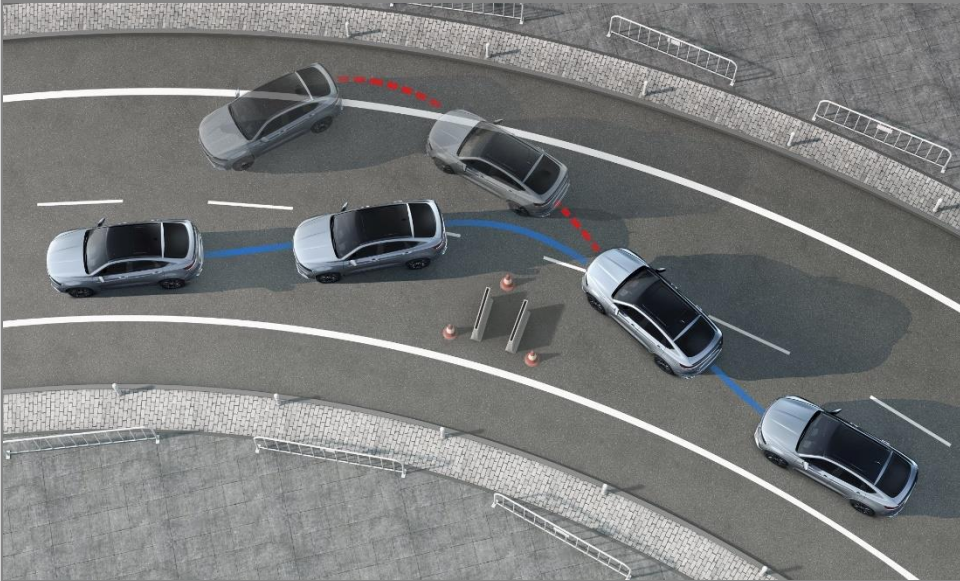


# Automatic A/C system



KX11 is equipped with 2 or 3 zones (depending on configuration) automatic air conditioner system, car-level CN95 air filter, and for GD/GF configuration, there are AQS (air quality sensor) system.





## KX11 applies Bosch's most advanced ESP9.3 system

- ABS - Anti-lock Braking System
- EBD - Electronic Brake force Distribution System
- HBA - Hydraulic Brake Assist System
- CDP - Controller Deceleration Parking
- EBW - Emergency Brake Warning
- EPB - Electronic Parking Brake System
- Auto-hold system
- HHC - Hill Hold Control
- HHD - Hill Descent Control
- VDS - Vehicle Dynamic Stability Control
- TCS - Traction Control System

### Note:

For KX11, the control module is called VDDM (Vehicle Dynamic Domain Master).



AVM: Around View Monitor



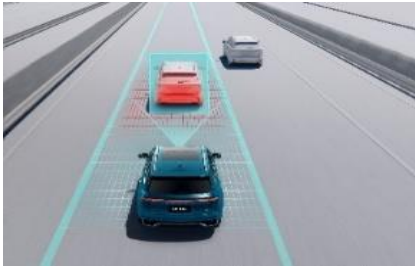
APA: Automatic Parking Assist



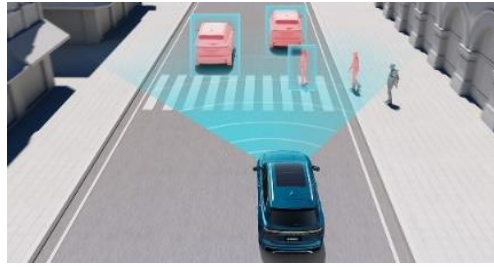


## ADAS : Advanced Driver Assistance System

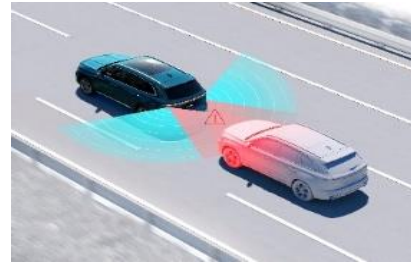
KX11 ADAS includes ACC, LKA, CMSF, RCW, RCTA, HWA, TSR, DOW functions etc..



**HWA (Longitudinal ACC + Transverse LKA)**



**CMSF (Forward Collision Mitigation Support)**



**RCW (Rear Collision Warning)**



**RCTA (Rear Cross Traffic Alert)**



**DOW (Door Opening Warning)**



**IHBC (Intelligent High Beam Control)**

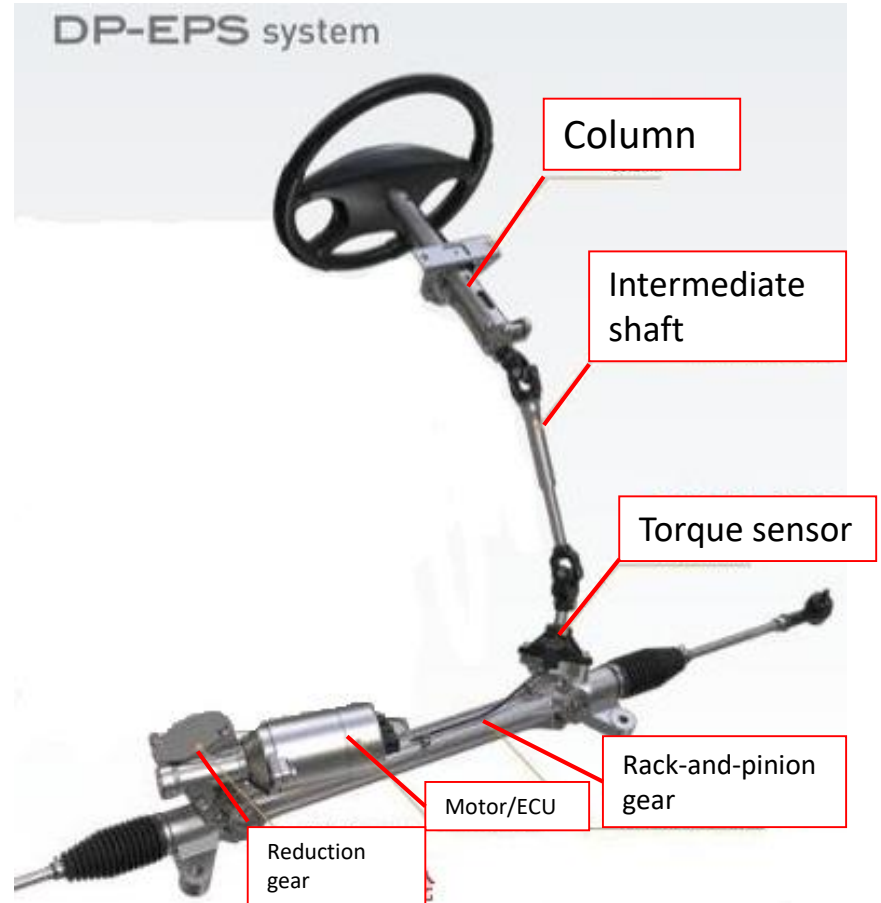


**KX11 adopts DP-EPS , the structure is as follows:**

DP: Double pinion, pinion and reduction gear

The torque provided by the motor is amplified by the reduction gear and then transmitted to the pinion

The torque provided by the driver and the torque provided by the motor are both transmitted to the rack through the pinion, and then rack moves to achieve steering.





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# Main configuration and parameter information of the vehicle



# Main configuration and parameter information of the vehicle



## Main dimensions parameters

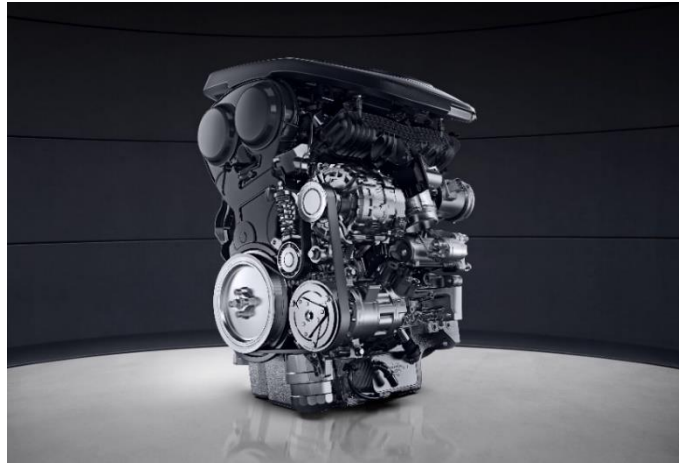
Item	Unit	Parameters
Vehicle length	mm	4770
Vehicle width	mm	1895
Vehicle height	mm	1689
Front wheel tread	mm	1610
Rear Wheel tread	mm	1610
Wheelbase	mm	2845

## Mass parameters

Item	Unit	
Drive type	-	All-wheel
Number of occupants	Persons	5
Curb weight	kg	1780
Front axle curb weight	kg	1015
Rear axle curb weight	kg	765
Full load mass	kg	2265
Front axle full load mass	kg	1143
Rear axle full load mass	kg	1122



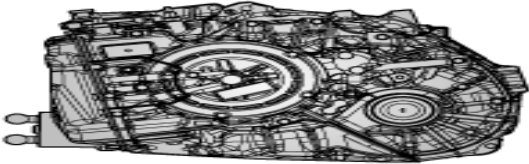
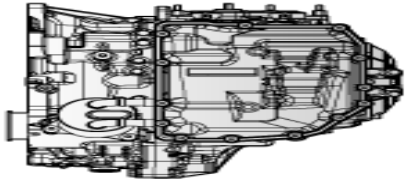
## Main parameters of the engine



Item	Unit	
Engine model	-	Inline 4-cylinder, 4-stroke, water-cooled
Cylinder diameter × stroke	mm×mm	82 × 93.2
Total displacement	L	1.969
Compression ratio	-	10.8:1
Rated power	kW	175
Maximum net power	kW	175
Rated power/revolution speed	r/min	5500
Maximum torque	N·m	350
Maximum torque/revolution speed	r/min	1800 - 4500
Stable idle speed	r/min	750±50
Ignition sequence	-	1-3-4-2

# Vehicle configuration and parameter information



TYPE of A/T	<b>AWF8F45 8-speed</b>
Appearance	
	
Gear ratio 1st	5.250
2nd	3.029
3rd	1.950
4th	1.457
5th	1.221
6th	1.000
7th	0.809
8th	0.673
Reverse	4.015
Planetary gear unit	2
Maximum torque capacity	<b>350 N·m</b>
Weight	<b>98.1 kg</b>
ATF	<b>AW-1</b>
Oil level adjustment	<b>Over flow type</b>
ATF adjust temp.	<b>50 - 60 degrees C</b>

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## Type of tire of the driving vehicle

Item	Type 1	Type 2
Rim Specification	19x8J	20x8J
Tire Specification	235/50 R19	245/45 R20

## Type of spare tire

Rim Specification	Tire Specification
18x4B	T125/80 R18



## Dynamic unbalance of tire

Rim	Tire	Dynamic Unbalance
19x8J	235/50 R19	≤ 8g
20x8J	245/45 R20	≤ 8g

## Tire pressure (cold state)

Wheels	Unit	Parameters
Front tire	kPa	230
Rear tire	kPa	230
Spare tire	kPa	420



## Wheel alignment parameters

Item	Parameters
Maximum turn angle of front wheel (inner/outer)	$41.1^{\circ}/32.1^{\circ} \pm 2^{\circ}$
Camber of front wheel	$-26' \pm 30'$ (left-and-right difference $\leq 30'$ )
Camber of rear wheel	$-76' \pm 30'$ (left-and-right difference $\leq 30'$ )
Kingpin inclination	$13^{\circ}42' \pm 45'$ (left-and-right difference $\leq 45'$ )
Caster	$4^{\circ}26' \pm 30'$ (left-and-right difference $\leq 30'$ )
Front wheel toe-in	$5' \pm 5'$ (left-and-right difference $\leq 6'$ )
Rear wheel toe-in	$5' \pm 15'$ (left-and-right difference $\leq 15'$ )



# Maintenance and Service Information



System	Item	×10,000 km									
		12 Months	24	36	48	60	72	84	96	108	120
Engine System	Engine Oil *1	R	R	R	R	R	R	R	R	R	R
	Engine Oil Filter *1	R	R	R	R	R	R	R	R	R	R
	Air Filter *2	L	R	L	R	L	R	L	R	L	R
	Engine Cooling System	L	L	L	L	L	L	L	L	L	L
	Engine Coolant*3	Replace every 48 months or 90,000 km*2									
	Drive Belt*4	L	L	L	L	L	L	L	L	L	R
	Timing Belt	Replace every 100,000 km									
	Fuel System (Tank, Pipes, Connection)	L	L	L	L	L	L	L	L	L	L
	Fuel Filter	Replace every 24 months or 30,000 km									
	Spark Plug	↻	↻	↻	R	↻	↻	↻	R	↻	↻
Transmission System	Automatic Transmission Special Fluid	Maintenance-free↻									
	Power Take-off	Maintenance-free									
	Rear Main Reducer and Differential Assembly	Maintenance-free									
	Torque Manager	Maintenance-free									
	Check Engine System by Diagnostic Device	L	L	L	L	L	L	L	L	L	L
Brake System	Brake System & Parking Brake (Function)	L	L	L	L	L	L	L	L	L	L
	Brake Disks and Pads	L	L	L	L	L	L	L	L	L	L
	Brake Fluid Level	L	L	L	L	L	L	L	L	L	L
	Brake Fluid	Replace every 24 months or 40,000 km*2									
	Inspect Air Conditioning System Function	L	L	L	L	L	L	L	L	L	L

System	Item	×10,000 km									
		12 Months	24	36	48	60	72	84	96	108	120
Air Conditioning System	Air Conditioning Filter *5	Inspect and clean every time, and replace as necessary									
Electric System	Battery	L	L	L	L	L	L	L	L	L	L
	All Lights Function	L	L	L	L	L	L	L	L	L	L
	All Windows Function	L	L	L	L	L	L	L	L	L	L
	Horn Function	L	L	L	L	L	L	L	L	L	L
	Wiper Blades Function	L	L	L	L	L	L	L	L	L	L
	Check Whole Electric System by Diagnostic Device	L	L	L	L	L	L	L	L	L	L
	Chassis and Body System	All Door Hinges and Catches	L	L↻	L↻	L↻	L↻	L↻	L↻	L↻	L↻
Drive Shafts		L	L	L	L	L	L	L	L	L	L
Steering System (Rack, Ball Stud)		L	L	L	L	L	L	L	L	L	L
Body Bolts & Nuts		T	T↻	T↻	T↻	T↻	T↻	T↻	T↻	T↻	T↻
Shock Absorbers		L	L	L	L	L	L	L	L	L	L
Check the Exhaust System and Its Tightness		L	L	L	L	L	L	L	L	L	L
Tires and Tires Pressure		L	L	L	L	L	L	L	L	L	L

## Note:

- L: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary..
- R: Replace..
- C: Clean..
- T: Tighten..
- L: Lubricate..

The time and mileage of scheduled maintenance should be based whichever occurs first..

# Recommended Fluid and Volume



Item	Specification	Capacity
Gasoline	Refer to the fuel filler cap label	62L
Engine oil	VCC RBS0-2AE 0W-20	6.8L (dry) 5.6L (wet)
Engine coolant	Geely-approved ethylene glycol-type coolant	7L
Automatic transmission oil (8AT)	ATF AW-1	6.65L
Brake fluid (vacuum booster)	DOT4	0.86L
Brake fluid (smart booster)	DOT4	0.73L
Power take-off lubricant	75W-90	0.45L
Rear main reducer and differential assembly	75W-90	0.45L
Torque manager lubricant	Habot 311	0.59L
Windshield washer fluid	Aqueous solutions of commercial additives mixing water with a hardness of less than 205 g/1000 kg and an appropriate amount of additives	4L
A/C refrigerant	R134a	550g



8AT automatic transmission oil, power-take-off lubricating oil, rear main reducer and differential assembly, torque manager lubricating oil are maintenance-free all the service life. ◀

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▶ **Usage of Functions (Practice)**



- **Instrument operation:** 1. What display functions does the instrument have; 2. Instrument clock setting;
- **Operation of combination switch:** 1. Lamp light adjustment; 2. Follow Me Home function; 3. Wiper adjustment; 4. Headlamp height adjustment; 5. Rearview mirror plane adjustment;
- **Multifunctional steering wheel operation:** 1. functions of the multifunctional steering wheel;
- **Multimedia operation:** 1. How many functions, how to change language and upgrade system software;
- **Window and sunroof operation:** 1. Whether there is one-touch auto up/down function; 2. Whether the sunroof has anti-pinch function and one-touch close function;
- **Other operations of the vehicle :** 1. Gearshift lever unlocking; 2. Trunk lid unlocking; 3. Opening of the engine hood; 4. Removal of the gasoline filler cap



## Happy Life, Geely Drive

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